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Statistical Series 99-39



# **Alberta Oil Sands Plant Statistics**

**Monthly Supplement**

**December 1999**



# Alberta Oil Sands Plant Statistics

## Monthly Supplement

ALBERTA ENERGY AND UTILITIES BOARD  
STATISTICAL SERIES

ALBERTA OIL SANDS PLANT STATISTICS  
MONTHLY SUPPLEMENT

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**Note:** Inquiries regarding this publication  
should be directed to the Board's  
Oil Sands Department at  
(403) 297-2399





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## STANDARDS OF MEASUREMENTS

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iv

1. Grade: Mass per cent Bitumen in oil sands.
2. Gas volume at 101.325 kPa and 15° C.
3. Liquid volume at 15° C.

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## NOTES

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- <sup>1</sup> Distillate production does not include heavy fuel oil.
- <sup>2</sup> Sulphur production includes flared / waste.
- <sup>3</sup> Synthetic crude oil production does not include diluent naphtha production.  
Suncor includes diesel production (SCO site fuel uses.)
- <sup>4</sup> Other hydrocarbons production includes light slop material.





1999  
Year

December  
Month

## Suncor Oil Sands

	Tonnes	Grade
Mined	7 162 190	10.89%
Processed	7 162 190	10.89%

### External Energy

	Gas 10 <sup>3</sup> m <sup>3</sup>	Electric MWh
Purchased	28 511.6	24 373.0
Generated	na	45 773.0
	28 511.6	70 146.0

Plant Use	11 099.7	70 146.0
Further Processing	16 707.0	0.0
Exported	0.0	0.0
Flared	704.9	0.0
Metering Diff.	0.0	0.0
	28 511.6	70 146.0

## Syncrude Oil Sands

	Tonnes	Grade
Mined	14 600 623	11.15%
Processed	13 501 041	11.01%

### External Energy

	Gas 10 <sup>3</sup> m <sup>3</sup>	Electric MWh
Purchased	109 774.0	1 751.0
Generated	na	186 822.0
	109 774.0	188 573.0

Plant Use	0.0	176 237.0
Further Processing	66 854.0	0.0
Exported	0.0	12 336.0
Flared	42 920.0	0.0
Metering Diff.	0.0	0.0
	109 774.0	188 573.0



1999  
Year

December  
Month

Operator	Products		Intermediates			
	Synthetic Crude Oil <sup>[3]</sup>	Other Hydro -carbons <sup>[4]</sup>	Coke	Sulphur <sup>[2]</sup>	Bitumen	Distillate <sup>[1]</sup>
	m3	m3	tonnes	tonnes	m3	m <sup>3</sup>
<b>Suncor</b>		Diluent Naphtha				
Opening Inventory	103 148	53 479	2 954 332	1 421	71 618	326 420
Receipts	0	0	0	0	6 167	0
Production	362 338	12 312	135 303	17 827	692 207	582 593
Closing Inventory	109 301	55 403	2 830 667	1 421	74 295	316 158
	356 185	10 388	258 968	17 827	695 697	592 855
Further Processing	0	7 232	0	0	694 213	374 777
Fuel/Plant Use	7 982	0	258 968	0	0	5 079
Flared/Wasted	0	3 156	0	301	1 484	96
Metering Diff.	( 128)	0	0	0	0	0
Deliveries	348 331	0	0	17 526	0	212 903
	356 185	10 388	258 968	17 827	695 697	592 855

<b>Syncrude</b>		Diluent Naphtha				
Opening Inventory	32 595	62 482	23 289 042	3 016 826	471 088	74 980
Receipts	0	0	0	0	0	0
Production	1 057 346	13 799	167 918	46 331	1 344 676	1 113 770
Closing Inventory	17 195	61 992	23 409 355	3 062 453	492 492	145 844
	1 072 746	14 289	47 605	704	1 323 272	1 042 906
Further Processing	0	8 618	0	0	1 323 272	1 037 725
Fuel/Plant Use	7 956	0	47 605	0	0	5 181
Flared/Wasted	0	5 671	0	704	0	0
Metering Diff.	28	0	0	0	0	0
Diluent Carryover						
/Rerun	0	0	0	0	0	0
To Suncor	0	0	0	0	0	0
Deliveries	1 064 762	0	0	0	0	0
	1 072 746	14 289	47 605	704	1 323 272	1 042 906



1999 December  
Year to Date

**Suncor  
Oil Sands**

	Tonnes	Grade
Mined	73 014 843	11.56%
Processed	73 014 843	11.56%

**External Energy**

	Gas 10 <sup>3</sup> m <sup>3</sup>	Electric MWh
Purchased	192 238.5	123 164.0
Generated	na	512 758.0
	192 238.5	635 922.0
Plant Use	81 718.9	635 922.0
Further Processing	172 531.2	0.0
Exported	0.0	0.0
Flared	9 222.3	0.0
Metering Diff.	0.0	0.0
	263 472.4	635 922.0

**Syncrude  
Oil Sands**

	Tonnes	Grade
Mined	162 418 457	10.84%
Processed	162 081 685	10.81%

**External Energy**

	Gas 10 <sup>3</sup> m <sup>3</sup>	Electric MWh
Purchased	936 769.0	137 194.0
Generated	na	1 959 161.0
	936 769.0	2 096 355.0
Plant Use	301 602.0	1 989 198.0
Further Processing	883 649.0	0.0
Exported	0.0	107 157.0
Flared	50 698.0	0.0
Metering Diff.	0.0	0.0
	1 235 949.0	2 096 355.0





# Bitumen Synthetic Plant Operations

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1999 December  
Year to Date

Operator	Products		Intermediates			
	Synthetic Crude Oil <sup>[3]</sup> m <sup>3</sup>	Other Hydro -carbons [4] m3	Coke tonnes	Sulphur <sup>[2]</sup> tonnes	Bitumen m3	Distillate <sup>[1]</sup> m <sup>3</sup>
<b>Suncor</b>						
		Diluent Naphtha				
Opening Inventory	92 613	40 591	5 240 411	1 397	21 845	21 978
Receipts	0	0	0	0	54 689	3 018
Production	3 712 106	249 898	1 456 361	183 948	7 576 979	6 139 039
Closing Inventory	109 301	55 403	2 830 667	1 421	74 295	316 158
	3 695 418	235 086	3 866 105	183 924	7 579 218	5 847 877
Further Processing	0	193 024	0	0	7 420 353	3 783 663
Fuel/Plant Use	75 994	0	3 843 744	0	0	56 873
Flared/Wasted	0	42 062	0	3 308	18 866	14 238
Metering Diff.	( 6 301)	0	0	0	0	( 2 830)
Deliveries	3 625 725	0	22 361	180 616	139 999	1 995 933
	3 695 418	235 086	3 866 105	183 924	7 579 218	5 847 877
<b>Syncrude</b>						
		Diluent Naphtha				
Opening Inventory	25 046	66 926	21 715 515	2 509 534	319 672	50 824
Receipts	0	0	0	0	5 212	0
Production	13 059 011	171 666	2 364 057	562 006	15 827 314	12 968 969
Closing Inventory	17 195	61 992	23 409 355	3 062 453	492 492	145 844
	13 066 862	176 600	670 217	9 087	15 659 706	12 873 949
Further Processing	0	102 551	0	0	15 659 702	12 822 643
Fuel/Plant Use	130 284	0	670 217	0	0	51 306
Flared/Wasted	0	74 048	0	9 088	0	0
Metering Diff.	14	1	0	( 1)	4	0
Diluent Carryover						
/Rerun	0	0	0	0	0	0
To Suncor	0	0	0	0	0	0
Deliveries	12 936 564	0	0	0	0	0
	13 066 862	176 600	670 217	9 087	15 659 706	12 873 949

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1. Grade: Mass per cent Bitumen in oil sands.
2. Gas volume at 101.325 kPa and 15° C.
3. Liquid volume at 15° C.

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**NOTES**

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<sup>1</sup> Distillate production does not include heavy fuel oil.

<sup>2</sup> Sulphur production includes flared / waste.

<sup>3</sup> Synthetic crude oil production does not include diluent naphtha production.  
Suncor includes diesel production (SCO site fuel uses.)

<sup>4</sup> Other hydrocarbons production includes light slop material.



1999  
Year

January  
Month

## Suncor Oil Sands

	Tonnes	Grade
Mined	5 923 244	11.04%
Processed	5 923 244	11.04%

### External Energy

	Gas 10 <sup>3</sup> m <sup>3</sup>	Electric MWh
Purchased	27 901.8	20 199.0
Generated	na	45 791.0
	27 901.8	65 990.0

Plant Use	12 148.8	65 990.0
Further Processing	14 873.2	0.0
Exported	0.0	0.0
Flared	879.8	0.0
Metering Diff.	0.0	0.0
	27 901.8	65 990.0

## Syncrude Oil Sands

	Tonnes	Grade
Mined	13 454 280	10.54%
Processed	14 084 371	10.40%

### External Energy

	Gas 10 <sup>3</sup> m <sup>3</sup>	Electric MWh
Purchased	114 981.0	10 025.0
Generated	na	164 641.0
	114 981.0	174 666.0

Plant Use	49 269.0	174 666.0
Further Processing	65 712.0	0.0
Exported	0.0	0.0
Flared	0.0	0.0
Metering Diff.	0.0	0.0
	114 981.0	174 666.0





# Bitumen Synthetic Plant Operations

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1999  
Year

January  
Month

Operator	Products		Intermediates			
	Synthetic Crude Oil <sup>[3]</sup> m <sup>3</sup>	Other Hydro -carbons <sup>[4]</sup> m <sup>3</sup>	Coke tonnes	Sulphur <sup>[2]</sup> tonnes	Bitumen m <sup>3</sup>	Distillate <sup>[1]</sup> m <sup>3</sup>
<b>Suncor</b>		Diluent Naphtha				
Opening Inventory	92 613	40 591	5 240 411	1 397	21 845	21 978
Receipts	0	0	0	0	19 210	500
Production	322 185	22 284	112 800	15 465	581 937	488 880
Closing Inventory	65 240	42 401	4 996 826	1 397	37 792	67 071
	349 558	20 474	356 385	15 465	585 200	444 287
Further Processing	0	16 586	0	0	579 989	331 814
Fuel/Plant Use	4 622	0	337 388	0	0	5 697
Flared/Wasted	0	3 888	0	290	0	89
Metering Diff.	( 419)	0	0	0	0	0
Deliveries	345 355	0	18 997	15 175	5 211	106 687
	349 558	20 474	356 385	15 465	585 200	444 287
<b>Syncrude</b>		Diluent Naphtha				
Opening Inventory	25 046	66 926	21 715 515	2 509 534	319 672	50 824
Receipts	0	0	0	0	5 212	0
Production	1 103 149	9 988	208 129	47 837	1 319 404	1 080 631
Closing Inventory	28 273	61 192	21 864 639	2 556 523	323 785	49 218
	1 099 922	15 722	59 005	848	1 320 503	1 082 237
Further Processing	0	10 120	0	0	1 320 504	1 082 369
Fuel/Plant Use	9 901	0	59 005	0	0	( 132)
Flared/Wasted	0	5 601	0	848	0	0
Metering Diff.	( 6)	1	0	0	( 1)	0
Diluent Carryover						
/Rerun	0	0	0	0	0	0
To Suncor	0	0	0	0	0	0
Deliveries	1 090 027	0	0	0	0	0
	1 099 922	15 722	59 005	848	1 320 503	1 082 237



1999 January  
Year to Date

**Suncor  
Oil Sands**

	Tonnes	Grade
Mined	5 923 244	11.04%
Processed	5 923 244	11.04%

**External Energy**

	Gas 10 <sup>3</sup> m <sup>3</sup>	Electric MWh
Purchased	27 901.8	20 199.0
Generated	na	45 791.0
	27 901.8	65 990.0

Plant Use	12 148.8	65 990.0
Further Processing	14 873.2	0.0
Exported	0.0	0.0
Flared	879.8	0.0
Metering Diff.	0.0	0.0
	27 901.8	65 990.0

**Synchrude  
Oil Sands**

	Tonnes	Grade
Mined	13 454 280	10.54%
Processed	14 084 371	10.40%

**External Energy**

	Gas 10 <sup>3</sup> m <sup>3</sup>	Electric MWh
Purchased	114 981.0	10 025.0
Generated	na	164 641.0
	114 981.0	174 666.0

Plant Use	49 269.0	174 666.0
Further Processing	65 712.0	0.0
Exported	0.0	0.0
Flared	0.0	0.0
Metering Diff.	0.0	0.0
	114 981.0	174 666.0



# Bitumen Synthetic Plant Operations

4

1999  
Year to Date

January

Operator	Products		Intermediates			
	Synthetic Crude Oil <sup>[3]</sup> m <sup>3</sup>	Other Hydro -carbons [4] m3	Coke tonnes	Sulphur <sup>[2]</sup> tonnes	Bitumen m <sup>3</sup>	Distillate <sup>[1]</sup> m <sup>3</sup>
<b>Suncor</b>		Diluent Naphtha				
Opening Inventory	92 613	40 591	5 240 411	1 397	21 845	21 978
Receipts	0	0	0	0	19 210	500
Production	322 185	22 284	112 800	15 465	581 937	488 880
Closing Inventory	65 240	42 401	4 996 826	1 397	37 792	67 071
	349 558	20 474	356 385	15 465	585 200	444 287
Further Processing	0	16 586	0	0	579 989	331 814
Fuel/Plant Use	4 622	0	337 388	0	0	5 697
Flared/Wasted	0	3 888	0	290	0	89
Metering Diff.	( 419)	0	0	0	0	0
Deliveries	345 355	0	18 997	15 175	5 211	106 687
	349 558	20 474	356 385	15 465	585 200	444 287
<b>Syncrude</b>		Diluent Naphtha				
Opening Inventory	25 046	66 926	21 715 515	2 509 534	319 672	50 824
Receipts	0	0	0	0	5 212	0
Production	1 103 149	9 988	208 129	47 837	1 319 404	1 080 631
Closing Inventory	28 273	61 192	21 864 639	2 556 523	323 785	49 218
	1 099 922	15 722	59 005	848	1 320 503	1 082 237
Further Processing	0	10 120	0	0	1 320 504	1 082 369
Fuel/Plant Use	9 901	0	59 005	0	0	( 132)
Flared/Wasted	0	5 601	0	848	0	0
Metering Diff.	( 6)	1	0	0	( 1)	0
Diluent Carryover /Rerun	0	0	0	0	0	0
To Suncor	0	0	0	0	0	0
Deliveries	1 090 027	0	0	0	0	0
	1 099 922	15 722	59 005	848	1 320 503	1 082 237





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Statistical Series **99-39**

# **Alberta Oil Sands Plant Statistics**

**Monthly Supplement**

**February 1999**



# **Alberta Oil Sands Plant Statistics**

**Monthly Supplement**



1. Grade: Mass per cent Bitumen in oil sands.
2. Gas volume at 101.325 kPa and 15° C.
3. Liquid volume at 15° C.

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**NOTES**

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- <sup>1</sup> Distillate production does not include heavy fuel oil.
- <sup>2</sup> Sulphur production includes flared / waste.
- <sup>3</sup> Synthetic crude oil production does not include diluent naphtha production.  
Suncor includes diesel production (SCO site fuel uses.)
- <sup>4</sup> Other hydrocarbons production includes light slop material.





1999	February
Year	Month

**Suncor  
Oil Sands**

	Tonnes	Grade
Mined	5 286 311	11.91%
Processed	5 286 311	11.91%

**External Energy**

	Gas 10 <sup>3</sup> m <sup>3</sup>	Electric MWh
Purchased	18 226.8	18 685.0
Generated	na	40 906.0
	18 226.8	59 591.0

Plant Use	4 567.2	59 591.0
Further Processing	13 352.2	0.0
Exported	0.0	0.0
Flared	307.4	0.0
Metering Diff.	0.0	0.0
	18 226.8	59 591.0

**Syncrude  
Oil Sands**

	Tonnes	Grade
Mined	13 394 355	10.49%
Processed	12 316 638	10.55%

**External Energy**

	Gas 10 <sup>3</sup> m <sup>3</sup>	Electric MWh
Purchased	93 535.0	9 430.0
Generated	na	136 115.0
	93 535.0	145 545.0

Plant Use	39 577.0	145 545.0
Further Processing	53 958.0	0.0
Exported	0.0	0.0
Flared	0.0	0.0
Metering Diff.	0.0	0.0
	93 535.0	145 545.0



# Bitumen Synthetic Plant Operations

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1999  
Year

February  
Month

Operator	Products		Intermediates			
	Synthetic Crude Oil <sup>[3]</sup>	Other Hydro -carbons <sup>[4]</sup>	Coke	Sulphur <sup>[2]</sup>	Bitumen	Distillate <sup>[1]</sup>
	m3	m3	tonnes	tonnes	m3	m <sup>3</sup>
<b>Suncor</b>		Diluent Naphtha				
Opening Inventory	65 240	42 401	4 996 826	1 397	37 792	67 071
Receipts	0	0	0	0	19 036	591
Production	337 025	17 265	115 406	15 696	570 123	477 168
Closing Inventory	89 088	44 692	4 713 743	1 397	33 564	55 817
	313 177	14 974	398 489	15 696	593 387	489 013
Further Processing	0	11 746	0	0	591 857	330 049
Fuel/Plant Use	4 550	0	395 125	0	0	5 519
Flared/Wasted	0	3 228	0	286	1 530	15
Metering Diff.	76	0	0	0	0	0
Deliveries	308 551	0	3 364	15 410	0	153 430
	313 177	14 974	398 489	15 696	593 387	489 013

<b>Syncrude</b>		Diluent Naphtha				
Opening Inventory	28 273	61 192	21 864 639	2 556 523	323 785	49 218
Receipts	0	0	0	0	0	0
Production	923 687	10 108	186 135	39 183	1 171 190	932 671
Closing Inventory	62 552	60 876	21 998 004	2 595 033	358 238	70 531
	889 408	10 424	52 770	673	1 136 737	911 358
Further Processing	0	5 546	0	0	1 136 736	911 358
Fuel/Plant Use	14 148	0	52 770	0	0	0
Flared/Wasted	0	4 878	0	673	0	0
Metering Diff.	( 62)	0	0	0	1	0
Diluent Carryover						
/Rerun	0	0	0	0	0	0
To Suncor	0	0	0	0	0	0
Deliveries	875 322	0	0	0	0	0
	889 408	10 424	52 770	673	1 136 737	911 358



1999 February  
Year to Date

**Suncor  
Oil Sands**

	Tonnes	Grade
Mined	11 209 555	11.45%
Processed	11 209 555	11.45%

**External Energy**

	Gas 10 <sup>3</sup> m <sup>3</sup>	Electric MWh
Purchased	46 128.6	38 884.0
Generated	na	86 697.0
	46 128.6	125 581.0
Plant Use	16 716.0	125 581.0
Further Processing	28 225.4	0.0
Exported	0.0	0.0
Flared	1 187.2	0.0
Metering Diff.	0.0	0.0
	46 128.6	125 581.0

**Syncrude  
Oil Sands**

	Tonnes	Grade
Mined	26 848 635	10.52%
Processed	26 401 009	10.47%

**External Energy**

	Gas 10 <sup>3</sup> m <sup>3</sup>	Electric MWh
Purchased	208 516.0	19 455.0
Generated	na	300 756.0
	208 516.0	320 211.0
Plant Use	88 846.0	320 211.0
Further Processing	119 670.0	0.0
Exported	0.0	0.0
Flared	0.0	0.0
Metering Diff.	0.0	0.0
	208 516.0	320 211.0





# Bitumen Synthetic Plant Operations

4

1999 February  
Year to Date

Operator	Products		Intermediates			
	Synthetic Crude Oil <sup>[3]</sup> m <sup>3</sup>	Other Hydro -carbons <sup>[4]</sup> m <sup>3</sup>	Coke tonnes	Sulphur <sup>[2]</sup> tonnes	Bitumen m <sup>3</sup>	Distillate <sup>[1]</sup> m <sup>3</sup>
<b>Suncor</b>		Diluent Naphtha				
Opening Inventory	92 613	40 591	5 240 411	1 397	21 845	21 978
Receipts	0	0	0	0	38 246	1 091
Production	659 210	39 549	228 206	31 161	1 152 060	966 048
Closing Inventory	89 088	44 692	4 713 743	1 397	33 564	55 817
	662 735	35 448	754 874	31 161	1 178 587	933 300
Further Processing	0	28 332	0	0	1 171 846	661 863
Fuel/Plant Use	9 172	0	732 513	0	0	11 216
Flared/Wasted	0	7 116	0	576	1 530	104
Metering Diff.	( 343)	0	0	0	0	0
Deliveries	653 906	0	22 361	30 585	5 211	260 117
	662 735	35 448	754 874	31 161	1 178 587	933 300
<b>Syncrude</b>		Diluent Naphtha				
Opening Inventory	25 046	66 926	21 715 515	2 509 534	319 672	50 824
Receipts	0	0	0	0	5 212	0
Production	2 026 836	20 096	394 264	87 020	2 490 594	2 013 302
Closing Inventory	62 552	60 876	21 998 004	2 595 033	358 238	70 531
	1 989 330	26 146	111 775	1 521	2 457 240	1 993 595
Further Processing	0	15 666	0	0	2 457 240	1 993 727
Fuel/Plant Use	24 049	0	111 775	0	0	( 132)
Flared/Wasted	0	10 479	0	1 521	0	0
Metering Diff.	( 68)	1	0	0	0	0
Diluent Carryover						
/Rerun	0	0	0	0	0	0
To Suncor	0	0	0	0	0	0
Deliveries	1 965 349	0	0	0	0	0
	1 989 330	26 146	111 775	1 521	2 457 240	1 993 595



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# **Alberta Oil Sands Plant Statistics**

**Monthly Supplement**

**March 1999**



# **Alberta Oil Sands Plant Statistics**

**Monthly Supplement**

ALBERTA ENERGY AND UTILITIES BOARD  
STATISTICAL SERIES

ALBERTA OIL SANDS PLANT STATISTICS  
MONTHLY SUPPLEMENT

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(403) 297-2399



1. Grade: Mass per cent Bitumen in oil sands.
2. Gas volume at 101.325 kPa and 15° C.
3. Liquid volume at 15° C.

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**NOTES**

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- <sup>1</sup> Distillate production does not include heavy fuel oil.
- <sup>2</sup> Sulphur production includes flared / waste.
- <sup>3</sup> Synthetic crude oil production does not include diluent naphtha production. Suncor includes diesel production (SCO site fuel uses.)
- <sup>4</sup> Other hydrocarbons production includes light slop material.



1999	March
Year	Month

## Suncor Oil Sands

	Tonnes	Grade
Mined	5 078 758	11.21%
Processed	5 078 758	11.21%

### External Energy

	Gas 10 <sup>3</sup> m <sup>3</sup>	Electric MWh
Purchased	23 621.5	12 592.0
Generated	na	33 794.0
	23 621.5	46 386.0

Plant Use	3 730.7	46 386.0
Further Processing	18 227.1	0.0
Exported	0.0	0.0
Flared	1 663.7	0.0
Metering Diff.	0.0	0.0
	23 621.5	46 386.0

## Syncrude Oil Sands

	Tonnes	Grade
Mined	13 321 220	10.55%
Processed	14 396 145	10.63%

### External Energy

	Gas 10 <sup>3</sup> m <sup>3</sup>	Electric MWh
Purchased	119 728.0	11 894.0
Generated	na	162 588.0
	119 728.0	174 482.0

Plant Use	44 397.0	174 482.0
Further Processing	75 331.0	0.0
Exported	0.0	0.0
Flared	0.0	0.0
Metering Diff.	0.0	0.0
	119 728.0	174 482.0



# Bitumen Synthetic Plant Operations

2

1999

March

Year

Month

Operator	Products		Intermediates			
	Synthetic Crude Oil <sup>[3]</sup>	Other Hydro -carbons <sup>[4]</sup>	Coke	Sulphur <sup>[2]</sup>	Bitumen	Distillate <sup>[1]</sup>
	m3	m3	tonnes	tonnes	m3	m <sup>3</sup>
<b>Suncor</b>		Diluent Naphtha				
Opening Inventory	89 088	44 692	4 713 743	1 397	33 564	55 817
Receipts	0	0	0	0	0	0
Production	264 440	16 820	97 110	12 473	513 063	422 466
Closing Inventory	95 965	47 012	4 258 420	1 397	33 530	71 545
	257 563	14 500	552 433	12 473	513 097	406 738
Further Processing	0	12 031	0	0	498 471	276 105
Fuel/Plant Use	5 460	0	552 433	0	0	4 790
Flared/Wasted	0	2 469	0	218	847	148
Metering Diff.	( 1 688)	0	0	0	0	1 442
Deliveries	253 791	0	0	12 255	13 779	124 253
	257 563	14 500	552 433	12 473	513 097	406 738
<b>Syncrude</b>		Diluent Naphtha				
Opening Inventory	62 552	60 876	21 998 004	2 595 033	358 238	70 531
Receipts	0	0	0	0	0	0
Production	1 163 776	17 550	207 274	49 587	1 395 348	1 131 019
Closing Inventory	22 536	62 606	22 146 515	2 643 711	395 046	53 144
	1 203 792	15 820	58 763	909	1 358 540	1 148 406
Further Processing	0	8 804	0	0	1 358 539	1 142 058
Fuel/Plant Use	11 889	0	58 763	0	0	6 348
Flared/Wasted	0	7 016	0	909	0	0
Metering Diff.	72	0	0	0	1	0
Diluent Carryover						
/Rerun	0	0	0	0	0	0
To Suncor	0	0	0	0	0	0
Deliveries	1 191 831	0	0	0	0	0
	1 203 792	15 820	58 763	909	1 358 540	1 148 406





1999 March  
Year to Date

**Suncor  
Oil Sands**

	Tonnes	Grade
Mined	16 288 313	11.38%
Processed	16 288 313	11.38%

**External Energy**

	Gas 10 <sup>3</sup> m <sup>3</sup>	Electric MWh
Purchased	69 750.1	51 476.0
Generated	na	120 491.0
	69 750.1	171 967.0

Plant Use	20 446.7	171 967.0
Further Processing	46 452.5	0.0
Exported	0.0	0.0
Flared	2 850.9	0.0
Metering Diff.	0.0	0.0
	69 750.1	171 967.0

**Syncrude  
Oil Sands**

	Tonnes	Grade
Mined	40 169 855	10.53%
Processed	40 797 154	10.53%

**External Energy**

	Gas 10 <sup>3</sup> m <sup>3</sup>	Electric MWh
Purchased	328 244.0	31 349.0
Generated	na	463 344.0
	328 244.0	494 693.0

Plant Use	133 243.0	494 693.0
Further Processing	195 001.0	0.0
Exported	0.0	0.0
Flared	0.0	0.0
Metering Diff.	0.0	0.0
	328 244.0	494 693.0



# Bitumen Synthetic Plant Operations

4

1999  
Year to Date

March

Operator	Products		Intermediates			
	Synthetic Crude Oil <sup>[3]</sup> m <sup>3</sup>	Other Hydro -carbons [4] m3	Coke tonnes	Sulphur <sup>[2]</sup> tonnes	Bitumen m3	Distillate <sup>[1]</sup> m <sup>3</sup>
<b>Suncor</b>		Diluent Naphtha				
Opening Inventory	92 613	40 591	5 240 411	1 397	21 845	21 978
Receipts	0	0	0	0	38 246	1 091
Production	923 650	56 369	325 316	43 634	1 665 123	1 388 514
Closing Inventory	95 965	47 012	4 258 420	1 397	33 530	71 545
	920 298	49 948	1 307 307	43 634	1 691 684	1 340 038
Further Processing	0	40 363	0	0	1 670 317	937 968
Fuel/Plant Use	14 632	0	1 284 946	0	0	16 006
Flared/Wasted	0	9 585	0	794	2 377	252
Metering Diff.	( 2 031)	0	0	0	0	1 442
Deliveries	907 697	0	22 361	42 840	18 990	384 370
	920 298	49 948	1 307 307	43 634	1 691 684	1 340 038
<b>Syncrude</b>		Diluent Naphtha				
Opening Inventory	25 046	66 926	21 715 515	2 509 534	319 672	50 824
Receipts	0	0	0	0	5 212	0
Production	3 190 612	37 646	601 538	136 607	3 885 942	3 144 321
Closing Inventory	22 536	62 606	22 146 515	2 643 711	395 046	53 144
	3 193 122	41 966	170 538	2 430	3 815 780	3 142 001
Further Processing	0	24 470	0	0	3 815 779	3 135 785
Fuel/Plant Use	35 938	0	170 538	0	0	6 216
Flared/Wasted	0	17 495	0	2 430	0	0
Metering Diff.	4	1	0	0	1	0
Diluent Carryover /Rerun	0	0	0	0	0	0
To Suncor	0	0	0	0	0	0
Deliveries	3 157 180	0	0	0	0	0
	3 193 122	41 966	170 538	2 430	3 815 780	3 142 001

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**Monthly Supplement**

**April 1999**





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1. Grade: Mass per cent Bitumen in oil sands.
2. Gas volume at 101.325 kPa and 15° C.
3. Liquid volume at 15° C.

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**NOTES**

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<sup>1</sup> Distillate production does not include heavy fuel oil.

<sup>2</sup> Sulphur production includes flared / waste.

<sup>3</sup> Synthetic crude oil production does not include diluent naphtha production.  
Suncor includes diesel production (SCO site fuel uses.)

<sup>4</sup> Other hydrocarbons production includes light slop material.



1999

April

Year

Month

## Suncor Oil Sands

	Tonnes	Grade
Mined	6 144 555	12.34%
Processed	6 144 555	12.34%

### External Energy

	Gas 10 <sup>3</sup> m <sup>3</sup>	Electric MWh
Purchased	14 638.2	7 236.0
Generated	na	44 577.0
	14 638.2	51 813.0

Plant Use	3 632.6	51 813.0
Further Processing	10 645.1	0.0
Exported	0.0	0.0
Flared	360.5	0.0
Metering Diff.	0.0	0.0
	14 638.2	51 813.0

## Syncrude Oil Sands

	Tonnes	Grade
Mined	13 439 727	10.63%
Processed	13 414 628	10.59%

### External Energy

	Gas 10 <sup>3</sup> m <sup>3</sup>	Electric MWh
Purchased	94 511.0	12 152.0
Generated	na	149 451.0
	94 511.0	161 603.0

Plant Use	34 736.0	161 603.0
Further Processing	59 775.0	0.0
Exported	0.0	0.0
Flared	0.0	0.0
Metering Diff.	0.0	0.0
	94 511.0	161 603.0





# Bitumen Synthetic Plant Operations

2

1999

April

Year

Month

Operator	Products		Intermediates			
	Synthetic Crude Oil <sup>[3]</sup>	Other Hydro -carbons <sup>[4]</sup>	Coke	Sulphur <sup>[2]</sup>	Bitumen	Distillate <sup>[1]</sup>
	m3	m3	tonnes	tonnes	m3	m <sup>3</sup>
<b>Suncor</b>		Diluent Naphtha				
Opening Inventory	95 965	47 012	4 258 420	1 397	33 530	71 545
Receipts	0	0	0	0	0	0
Production	277 472	21 113	134 112	14 837	694 957	572 272
Closing Inventory	68 543	42 124	4 020 119	1 397	38 966	225 300
	304 894	26 001	372 413	14 837	689 521	418 517
Further Processing	0	20 970	0	0	688 918	291 157
Fuel/Plant Use	5 505	0	372 413	0	0	143
Flared/Wasted	0	5 031	0	268	603	3 589
Metering Diff.	( 423)	0	0	0	0	0
Deliveries	299 812	0	0	14 569	0	123 628
	304 894	26 001	372 413	14 837	689 521	418 517
<b>Syncrude</b>		Diluent Naphtha				
Opening Inventory	22 536	62 606	22 146 515	2 643 711	395 046	53 144
Receipts	0	0	0	0	0	0
Production	922 738	12 170	195 528	41 669	1 265 177	1 050 059
Closing Inventory	44 435	60 939	22 286 610	2 684 451	388 751	195 206
	900 839	13 837	55 433	929	1 271 472	907 997
Further Processing	0	8 441	0	0	1 271 473	904 268
Fuel/Plant Use	10 391	0	55 433	0	0	3 729
Flared/Wasted	0	5 395	0	929	0	0
Metering Diff.	( 39)	1	0	0	( 1)	0
Diluent Carryover						
/Rerun	0	0	0	0	0	0
To Suncor	0	0	0	0	0	0
Deliveries	890 487	0	0	0	0	0
	900 839	13 837	55 433	929	1 271 472	907 997



1999 April  
Year to Date

**Suncor  
Oil Sands**

	Tonnes	Grade
Mined	22 432 868	11.64%
Processed	22 432 868	11.64%

**External Energy**

	Gas 10 <sup>3</sup> m <sup>3</sup>	Electric MWh
Purchased	84 388.3	58 712.0
Generated	na	165 068.0
	84 388.3	223 780.0

Plant Use	24 079.3	223 780.0
Further Processing	57 097.6	0.0
Exported	0.0	0.0
Flared	3 211.4	0.0
Metering Diff.	0.0	0.0
	84 388.3	223 780.0

**Syncrude  
Oil Sands**

	Tonnes	Grade
Mined	53 609 582	10.55%
Processed	54 211 782	10.54%

**External Energy**

	Gas 10 <sup>3</sup> m <sup>3</sup>	Electric MWh
Purchased	422 755.0	43 501.0
Generated	na	612 795.0
	422 755.0	656 296.0

Plant Use	167 979.0	656 296.0
Further Processing	254 776.0	0.0
Exported	0.0	0.0
Flared	0.0	0.0
Metering Diff.	0.0	0.0
	422 755.0	656 296.0



# Bitumen Synthetic Plant Operations

4

1999 April  
Year to Date

Operator	Products			Intermediates		
	Synthetic Crude Oil <sup>[3]</sup> m <sup>3</sup>	Other Hydro -carbons [4] m3	Coke tonnes	Sulphur <sup>[2]</sup> tonnes	Bitumen m3	Distillate <sup>[1]</sup> m <sup>3</sup>
<b>Suncor</b>		Diluent Naphtha				
Opening Inventory	92 613	40 591	5 240 411	1 397	21 845	21 978
Receipts	0	0	0	0	38 246	1 091
Production	1 201 122	77 482	459 428	58 471	2 360 080	1 960 786
Closing Inventory	68 543	42 124	4 020 119	1 397	38 966	225 300
	1 225 192	75 949	1 679 720	58 471	2 381 205	1 758 555
Further Processing	0	61 333	0	0	2 359 235	1 229 125
Fuel/Plant Use	20 137	0	1 657 359	0	0	16 149
Flared/Wasted	0	14 616	0	1 062	2 980	3 841
Metering Diff.	( 2 454)	0	0	0	0	1 442
Deliveries	1 207 509	0	22 361	57 409	18 990	507 998
	1 225 192	75 949	1 679 720	58 471	2 381 205	1 758 555
<b>Syncrude</b>		Diluent Naphtha				
Opening Inventory	25 046	66 926	21 715 515	2 509 534	319 672	50 824
Receipts	0	0	0	0	5 212	0
Production	4 113 350	49 816	797 066	178 276	5 151 119	4 194 380
Closing Inventory	44 435	60 939	22 286 610	2 684 451	388 751	195 206
	4 093 961	55 803	225 971	3 359	5 087 252	4 049 998
Further Processing	0	32 911	0	0	5 087 252	4 040 053
Fuel/Plant Use	46 329	0	225 971	0	0	9 945
Flared/Wasted	0	22 890	0	3 359	0	0
Metering Diff.	( 35)	2	0	0	0	0
Diluent Carryover						
/Rerun	0	0	0	0	0	0
To Suncor	0	0	0	0	0	0
Deliveries	4 047 667	0	0	0	0	0
	4 093 961	55 803	225 971	3 359	5 087 252	4 049 998

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2. Gas volume at 101.325 kPa and 15° C.
3. Liquid volume at 15° C.

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**NOTES**

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- <sup>1</sup> Distillate production does not include heavy fuel oil.
- <sup>2</sup> Sulphur production includes flared / waste.
- <sup>3</sup> Synthetic crude oil production does not include diluent naphtha production.  
Suncor includes diesel production (SCO site fuel uses.)
- <sup>4</sup> Other hydrocarbons production includes light slop material.





1999

May

Year

Month

## Suncor Oil Sands

	Tonnes	Grade
Mined	6 728 001	11.10%
Processed	6 728 001	11.10%

### External Energy

	Gas 10 <sup>3</sup> m <sup>3</sup>	Electric MWh
Purchased	12 561.0	6 726.0
Generated	na	44 856.0
	12 561.0	51 582.0

Plant Use	5 176.6	51 582.0
Further Processing	6 088.7	0.0
Exported	0.0	0.0
Flared	1 295.7	0.0
Metering Diff.	0.0	0.0
	12 561.0	51 582.0

## Syncrude Oil Sands

	Tonnes	Grade
Mined	14 306 012	10.69%
Processed	14 451 913	10.60%

### External Energy

	Gas 10 <sup>3</sup> m <sup>3</sup>	Electric MWh
Purchased	99 825.0	22 032.0
Generated	na	148 912.0
	99 825.0	170 944.0

Plant Use	24 994.0	170 944.0
Further Processing	74 831.0	0.0
Exported	0.0	0.0
Flared	0.0	0.0
Metering Diff.	0.0	0.0
	99 825.0	170 944.0



# Bitumen Synthetic Plant Operations

2

1999

May

Year

Month

Operator	Products		Intermediates			
	Synthetic Crude Oil <sup>[3]</sup>	Other Hydro -carbons <sup>[4]</sup>	Coke	Sulphur <sup>[2]</sup>	Bitumen	Distillate <sup>[1]</sup>
	m3	m3	tonnes	tonnes	m3	m <sup>3</sup>
<b>Suncor</b>		Diluent Naphtha				
Opening Inventory	68 543	42 124	4 020 119	1 397	38 966	225 300
Receipts	0	0	0	0	0	0
Production	96 803	21 479	122 879	9 482	662 845	530 948
Closing Inventory	87 155	35 422	3 851 920	1 397	31 452	381 478
	78 191	28 181	291 078	9 482	670 359	374 770
Further Processing	0	25 168	0	0	630 442	98 349
Fuel/Plant Use	5 408	0	291 078	0	0	( 3 689)
Flared/Wasted	0	3 013	0	219	1 373	10 058
Metering Diff.	4 040	0	0	0	0	( 3 953)
Deliveries	68 743	0	0	9 263	38 544	274 005
	78 191	28 181	291 078	9 482	670 359	374 770

<b>Syncrude</b>		Diluent Naphtha				
Opening Inventory	44 435	60 939	22 286 610	2 684 451	388 751	195 206
Receipts	0	0	0	0	0	0
Production	1 133 473	18 931	208 693	49 160	1 383 015	1 154 777
Closing Inventory	38 253	65 996	22 436 138	2 732 802	391 244	228 294
	1 139 655	13 874	59 165	809	1 380 522	1 121 689
Further Processing	0	8 188	0	0	1 380 521	1 113 871
Fuel/Plant Use	12 573	0	59 165	0	0	7 818
Flared/Wasted	0	5 686	0	809	0	0
Metering Diff.	11	0	0	0	1	0
Diluent Carryover						
/Rerun	0	0	0	0	0	0
To Suncor	0	0	0	0	0	0
Deliveries	1 127 071	0	0	0	0	0
	1 139 655	13 874	59 165	809	1 380 522	1 121 689



1999 May  
Year to Date

**Suncor  
Oil Sands**

	Tonnes	Grade
Mined	29 160 869	11.52%
Processed	29 160 869	11.52%

**External Energy**

	Gas 10 <sup>3</sup> m <sup>3</sup>	Electric MWh
Purchased	96 949.3	65 438.0
Generated	na	209 924.0
	96 949.3	275 362.0

Plant Use	29 255.9	275 362.0
Further Processing	63 186.3	0.0
Exported	0.0	0.0
Flared	4 507.1	0.0
Metering Diff.	0.0	0.0
	96 949.3	275 362.0

**Syncrude  
Oil Sands**

	Tonnes	Grade
Mined	67 915 594	10.58%
Processed	68 663 695	10.55%

**External Energy**

	Gas 10 <sup>3</sup> m <sup>3</sup>	Electric MWh
Purchased	522 580.0	65 533.0
Generated	na	761 707.0
	522 580.0	827 240.0

Plant Use	192 973.0	827 240.0
Further Processing	329 607.0	0.0
Exported	0.0	0.0
Flared	0.0	0.0
Metering Diff.	0.0	0.0
	522 580.0	827 240.0



# Bitumen Synthetic Plant Operations

4

1999  
Year to Date

Operator	Products			Intermediates		
	Synthetic Crude Oil <sup>[3]</sup> m <sup>3</sup>	Other Hydro -carbons [4] m3	Coke tonnes	Sulphur <sup>[2]</sup> tonnes	Bitumen m3	Distillate <sup>[1]</sup> m <sup>3</sup>
<b>Suncor</b>		Diluent Naphtha				
Opening Inventory	92 613	40 591	5 240 411	1 397	21 845	21 978
Receipts	0	0	0	0	38 246	1 091
Production	1 297 925	98 961	582 307	67 953	3 022 925	2 491 734
Closing Inventory	87 155	35 422	3 851 920	1 397	31 452	381 478
	1 303 383	104 130	1 970 798	67 953	3 051 564	2 133 325
Further Processing	0	86 501	0	0	2 989 677	1 327 474
Fuel/Plant Use	25 545	0	1 948 437	0	0	12 460
Flared/Wasted	0	17 629	0	1 281	4 353	13 899
Metering Diff.	1 586	0	0	0	0	( 2 511)
Deliveries	1 276 252	0	22 361	66 672	57 534	782 003
	1 303 383	104 130	1 970 798	67 953	3 051 564	2 133 325
<b>Syncrude</b>		Diluent Naphtha				
Opening Inventory	25 046	66 926	21 715 515	2 509 534	319 672	50 824
Receipts	0	0	0	0	5 212	0
Production	5 246 823	68 747	1 005 759	227 436	6 534 134	5 349 157
Closing Inventory	38 253	65 996	22 436 138	2 732 802	391 244	228 294
	5 233 616	69 677	285 136	4 168	6 467 774	5 171 687
Further Processing	0	41 099	0	0	6 467 773	5 153 924
Fuel/Plant Use	58 902	0	285 136	0	0	17 763
Flared/Wasted	0	28 576	0	4 168	0	0
Metering Diff.	( 24)	2	0	0	1	0
Diluent Carryover						
/Rerun	0	0	0	0	0	0
To Suncor	0	0	0	0	0	0
Deliveries	5 174 738	0	0	0	0	0
	5 233 616	69 677	285 136	4 168	6 467 774	5 171 687





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# **Alberta Oil Sands Plant Statistics**

**Monthly Supplement**

**June 1999**



# **Alberta Oil Sands Plant Statistics**

**Monthly Supplement**

ALBERTA ENERGY AND UTILITIES BOARD  
STATISTICAL SERIES

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1. Grade: Mass per cent Bitumen in oil sands.
2. Gas volume at 101.325 kPa and 15° C.
3. Liquid volume at 15° C.

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**NOTES**

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- <sup>1</sup> Distillate production does not include heavy fuel oil.
- <sup>2</sup> Sulphur production includes flared / waste.
- <sup>3</sup> Synthetic crude oil production does not include diluent naphtha production.  
Suncor includes diesel production (SCO site fuel uses.)
- <sup>4</sup> Other hydrocarbons production includes light slop material.





1999	June
Year	Month

Suncor  
Oil Sands

	Tonnes	Grade
Mined	6 159 248	11.65%
Processed	6 159 248	11.65%

External Energy

	Gas 10 <sup>3</sup> m <sup>3</sup>	Electric MWh
Purchased	23 140.5	11 355.0
Generated	na	42 324.0
	23 140.5	53 679.0

Plant Use	7 521.6	53 679.0
Further Processing	14 933.0	0.0
Exported	0.0	0.0
Flared	685.9	0.0
Metering Diff.	0.0	0.0
	23 140.5	53 679.0

Syncrude  
Oil Sands

	Tonnes	Grade
Mined	13 797 102	11.01%
Processed	13 246 138	11.03%

External Energy

	Gas 10 <sup>3</sup> m <sup>3</sup>	Electric MWh
Purchased	98 281.0	31 703.0
Generated	na	133 692.0
	98 281.0	165 395.0

Plant Use	21 373.0	165 395.0
Further Processing	76 908.0	0.0
Exported	0.0	0.0
Flared	0.0	0.0
Metering Diff.	0.0	0.0
	98 281.0	165 395.0



# Bitumen Synthetic Plant Operations

2

1999  
Year

June  
Month

Operator	Products		Intermediates			
	Synthetic Crude Oil <sup>[3]</sup>	Other Hydro -carbons <sup>[4]</sup>	Coke	Sulphur <sup>[2]</sup>	Bitumen	Distillate <sup>[1]</sup>
	m3	m3	tonnes	tonnes	m3	m <sup>3</sup>
<b>Suncor</b>		Diluent Naphtha				
Opening Inventory	87 155	35 422	3 851 920	1 397	31 452	381 478
Receipts	0	0	0	0	0	0
Production	345 035	21 542	119 996	16 348	638 168	489 819
Closing Inventory	85 137	33 295	3 582 729	1 397	41 732	325 708
	347 053	23 669	389 187	16 348	627 888	545 589
Further Processing	0	19 984	0	0	605 386	351 134
Fuel/Plant Use	6 786	0	389 187	0	0	1 559
Flared/Wasted	0	3 685	0	322	2 566	66
Metering Diff.	( 295)	0	0	0	0	18
Deliveries	340 562	0	0	16 026	19 936	192 812
	347 053	23 669	389 187	16 348	627 888	545 589

<b>Syncrude</b>		Diluent Naphtha				
Opening Inventory	38 253	65 996	22 436 138	2 732 802	391 244	228 294
Receipts	0	0	0	0	0	0
Production	1 218 058	17 135	200 008	51 255	1 331 140	1 105 683
Closing Inventory	50 056	67 434	22 579 443	2 783 277	389 917	128 315
	1 206 255	15 697	56 703	780	1 332 467	1 205 662
Further Processing	0	6 526	0	0	1 332 465	1 198 390
Fuel/Plant Use	13 697	0	56 703	0	0	7 272
Flared/Wasted	0	9 172	0	780	0	0
Metering Diff.	( 21)	( 1)	0	0	2	0
Diluent Carryover						
/Rerun	0	0	0	0	0	0
To Suncor	0	0	0	0	0	0
Deliveries	1 192 579	0	0	0	0	0
	1 206 255	15 697	56 703	780	1 332 467	1 205 662



1999 June  
Year to Date

**Suncor  
Oil Sands**

	Tonnes	Grade
Mined	35 320 117	11.54%
Processed	35 320 117	11.54%

**External Energy**

	Gas 10 <sup>3</sup> m <sup>3</sup>	Electric MWh
Purchased	120 089.8	76 793.0
Generated	na	252 248.0
	120 089.8	329 041.0

Plant Use	36 777.5	329 041.0
Further Processing	78 119.3	0.0
Exported	0.0	0.0
Flared	5 193.0	0.0
Metering Diff.	0.0	0.0
	120 089.8	329 041.0

**Syncrude  
Oil Sands**

	Tonnes	Grade
Mined	81 712 696	10.65%
Processed	81 909 833	10.63%

**External Energy**

	Gas 10 <sup>3</sup> m <sup>3</sup>	Electric MWh
Purchased	620 861.0	97 236.0
Generated	na	895 399.0
	620 861.0	992 635.0

Plant Use	214 346.0	992 635.0
Further Processing	406 515.0	0.0
Exported	0.0	0.0
Flared	0.0	0.0
Metering Diff.	0.0	0.0
	620 861.0	992 635.0



# Bitumen Synthetic Plant Operations

4

1999  
Year to Date

June

Operator	Products		Intermediates			
	Synthetic Crude Oil <sup>[3]</sup> m <sup>3</sup>	Other Hydro -carbons [4] m <sup>3</sup>	Coke tonnes	Sulphur <sup>[2]</sup> tonnes	Bitumen m <sup>3</sup>	Distillate <sup>[1]</sup> m <sup>3</sup>
<b>Suncor</b>						
		Diluent Naphtha				
Opening Inventory	92 613	40 591	5 240 411	1 397	21 845	21 978
Receipts	0	0	0	0	38 246	1 091
Production	1 642 960	120 503	702 303	84 301	3 661 093	2 981 553
Closing Inventory	85 137	33 295	3 582 729	1 397	41 732	325 708
	1 650 436	127 799	2 359 985	84 301	3 679 452	2 678 914
Further Processing	0	106 485	0	0	3 595 063	1 678 608
Fuel/Plant Use	32 331	0	2 337 624	0	0	14 019
Flared/Wasted	0	21 314	0	1 603	6 919	13 965
Metering Diff.	1 291	0	0	0	0	( 2 493)
Deliveries	1 616 814	0	22 361	82 698	77 470	974 815
	1 650 436	127 799	2 359 985	84 301	3 679 452	2 678 914
<b>Syncrude</b>						
		Diluent Naphtha				
Opening Inventory	25 046	66 926	21 715 515	2 509 534	319 672	50 824
Receipts	0	0	0	0	5 212	0
Production	6 464 881	85 882	1 205 767	278 691	7 865 274	6 454 840
Closing Inventory	50 056	67 434	22 579 443	2 783 277	389 917	128 315
	6 439 871	85 374	341 839	4 948	7 800 241	6 377 349
Further Processing	0	47 625	0	0	7 800 238	6 352 314
Fuel/Plant Use	72 599	0	341 839	0	0	25 035
Flared/Wasted	0	37 748	0	4 948	0	0
Metering Diff.	( 45)	1	0	0	3	0
Diluent Carryover						
/Rerun	0	0	0	0	0	0
To Suncor	0	0	0	0	0	0
Deliveries	6 367 317	0	0	0	0	0
	6 439 871	85 374	341 839	4 948	7 800 241	6 377 349



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**Monthly Supplement**

**July 1999**



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1. Grade: Mass per cent Bitumen in oil sands.
2. Gas volume at 101.325 kPa and 15° C.
3. Liquid volume at 15° C.

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**NOTES**

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- <sup>1</sup> Distillate production does not include heavy fuel oil.
- <sup>2</sup> Sulphur production includes flared / waste.
- <sup>3</sup> Synthetic crude oil production does not include diluent naphtha production.  
Suncor includes diesel production (SCO site fuel uses.)
- <sup>4</sup> Other hydrocarbons production includes light slop material.





1999

July

Year

Month

## Suncor Oil Sands

	Tonnes	Grade
Mined	6 744 544	11.67%
Processed	6 744 544	11.67%

### External Energy

	Gas 10 <sup>3</sup> m <sup>3</sup>	Electric MWh
Purchased	23 489.3	5 396.0
Generated	na	44 323.0
	23 489.3	49 719.0

Plant Use	6 900.3	49 719.0
Further Processing	16 100.2	0.0
Exported	0.0	0.0
Flared	488.8	0.0
Metering Diff.	0.0	0.0
	23 489.3	49 719.0

## Syncrude Oil Sands

	Tonnes	Grade
Mined	13 747 946	10.93%
Processed	14 169 994	11.02%

### External Energy

	Gas 10 <sup>3</sup> m <sup>3</sup>	Electric MWh
Purchased	0.0	17 622.0
Generated	na	157 275.0
	0.0	174 897.0

Plant Use	16 565.0	163 069.0
Further Processing	76 134.0	0.0
Exported	0.0	11 828.0
Flared	0.0	0.0
Metering Diff.	0.0	0.0
	92 699.0	174 897.0



1999  
Year

July  
Month

Operator	Products		Intermediates			
	Synthetic Crude Oil <sup>[3]</sup> m3	Other Hydro -carbons <sup>[4]</sup> m3	Coke tonnes	Sulphur <sup>[2]</sup> tonnes	Bitumen m3	Distillate <sup>[1]</sup> m <sup>3</sup>
<b>Suncor</b>		Diluent Naphtha				
Opening Inventory	85 137	33 295	3 582 729	1 397	41 732	325 708
Receipts	0	0	0	0	0	0
Production	348 912	27 954	128 580	17 211	688 381	517 263
Closing Inventory	82 518	39 913	3 427 784	1 397	55 924	241 356
	351 531	21 336	283 525	17 211	674 189	601 615
Further Processing	0	17 872	0	0	643 612	348 539
Fuel/Plant Use	6 123	0	283 525	0	0	10 081
Flared/Wasted	0	3 464	0	283	1 929	3
Metering Diff.	( 646)	0	0	0	0	618
Deliveries	346 054	0	0	16 928	28 648	242 374
	351 531	21 336	283 525	17 211	674 189	601 615

<b>Syncrude</b>		Diluent Naphtha				
Opening Inventory	50 056	67 434	22 579 443	2 783 277	389 917	128 315
Receipts	0	0	0	0	0	0
Production	1 211 110	13 840	207 137	50 445	1 417 716	1 118 538
Closing Inventory	57 097	65 117	22 727 856	2 832 939	453 753	53 748
	1 204 069	16 157	58 724	783	1 353 880	1 193 105
Further Processing	0	9 111	0	0	1 353 880	1 188 599
Fuel/Plant Use	10 008	0	58 724	0	0	4 506
Flared/Wasted	0	7 045	0	783	0	0
Metering Diff.	( 13)	1	0	0	0	0
Diluent Carryover						
/Rerun	0	0	0	0	0	0
To Suncor	0	0	0	0	0	0
Deliveries	1 194 074	0	0	0	0	0
	1 204 069	16 157	58 724	783	1 353 880	1 193 105



1999

July

Year to Date

**Suncor  
Oil Sands**

	<b>Tonnes</b>	<b>Grade</b>
Mined	42 064 661	11.56%
Processed	42 064 661	11.56%

**External Energy**

	<b>Gas 10<sup>3</sup> m<sup>3</sup></b>	<b>Electric MWh</b>
Purchased	143 579.1	82 189.0
Generated	na	296 571.0
	143 579.1	378 760.0

Plant Use	43 677.8	378 760.0
Further Processing	94 219.5	0.0
Exported	0.0	0.0
Flared	5 681.8	0.0
Metering Diff.	0.0	0.0
	143 579.1	378 760.0

**Syncrude  
Oil Sands**

	<b>Tonnes</b>	<b>Grade</b>
Mined	95 460 642	10.69%
Processed	96 079 827	10.69%

**External Energy**

	<b>Gas 10<sup>3</sup> m<sup>3</sup></b>	<b>Electric MWh</b>
Purchased	620 861.0	114 858.0
Generated	na	1 052 674.0
	620 861.0	1 167 532.0

Plant Use	230 911.0	1 155 704.0
Further Processing	482 649.0	0.0
Exported	0.0	11 828.0
Flared	0.0	0.0
Metering Diff.	0.0	0.0
	713 560.0	1 167 532.0





# Bitumen Synthetic Plant Operations

4

1999 July  
Year to Date

Operator	Products		Intermediates			
	Synthetic Crude Oil <sup>[3]</sup> m <sup>3</sup>	Other Hydro -carbons [4] m3	Coke tonnes	Sulphur <sup>[2]</sup> tonnes	Bitumen m3	Distillate <sup>[1]</sup> m <sup>3</sup>
<b>Suncor</b>		Diluent Naphtha				
Opening Inventory	92 613	40 591	5 240 411	1 397	21 845	21 978
Receipts	0	0	0	0	38 246	1 091
Production	1 991 872	148 457	830 883	101 512	4 349 474	3 498 816
Closing Inventory	82 518	39 913	3 427 784	1 397	55 924	241 356
	2 001 967	149 135	2 643 510	101 512	4 353 641	3 280 529
Further Processing	0	124 357	0	0	4 238 675	2 027 147
Fuel/Plant Use	38 454	0	2 621 149	0	0	24 100
Flared/Wasted	0	24 778	0	1 886	8 848	13 968
Metering Diff.	645	0	0	0	0	( 1 875)
Deliveries	1 962 868	0	22 361	99 626	106 118	1 217 189
	2 001 967	149 135	2 643 510	101 512	4 353 641	3 280 529
<b>Syncrude</b>		Diluent Naphtha				
Opening Inventory	25 046	66 926	21 715 515	2 509 534	319 672	50 824
Receipts	0	0	0	0	5 212	0
Production	7 675 991	99 722	1 412 904	329 136	9 282 990	7 573 378
Closing Inventory	57 097	65 117	22 727 856	2 832 939	453 753	53 748
	7 643 940	101 531	400 563	5 731	9 154 121	7 570 454
Further Processing	0	56 736	0	0	9 154 118	7 540 913
Fuel/Plant Use	82 607	0	400 563	0	0	29 541
Flared/Wasted	0	44 793	0	5 731	0	0
Metering Diff.	( 58)	2	0	0	3	0
Diluent Carryover						
/Rerun	0	0	0	0	0	0
To Suncor	0	0	0	0	0	0
Deliveries	7 561 391	0	0	0	0	0
	7 643 940	101 531	400 563	5 731	9 154 121	7 570 454



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# **Alberta Oil Sands Plant Statistics**

**Monthly Supplement**

**August 1999**



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2. Gas volume at 101.325 kPa and 15° C.
3. Liquid volume at 15° C.

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**NOTES**

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- <sup>1</sup> Distillate production does not include heavy fuel oil.
- <sup>2</sup> Sulphur production includes flared / waste.
- <sup>3</sup> Synthetic crude oil production does not include diluent naphtha production.  
Suncor includes diesel production (SCO site fuel uses.)
- <sup>4</sup> Other hydrocarbons production includes light slop material.





1999 Year	August Month
--------------	-----------------

**Suncor  
Oil Sands**

Tonnes	Grade
6 373 488	12.30%
6 373 488	12.30%

**External Energy**

Gas 10 <sup>3</sup> m <sup>3</sup>	Electric MWh
20 147.8	4 940.0
na	44 846.0
20 147.8	49 786.0

Purchased	20 147.8	4 940.0
Generated	na	44 846.0
	20 147.8	49 786.0
Plant Use	3 027.2	49 786.0
Further Processing	16 846.6	0.0
Exported	0.0	0.0
Flared	274.0	0.0
Metering Diff.	0.0	0.0
	20 147.8	49 786.0

**Syncrude  
Oil Sands**

Tonnes	Grade
14 140 380	11.09%
13 913 614	10.95%

**External Energy**

Gas 10 <sup>3</sup> m <sup>3</sup>	Electric MWh
96 659.0	15 400.0
na	154 581.0
96 659.0	169 981.0

Mined	14 140 380	11.09%
Processed	13 913 614	10.95%
	96 659.0	15 400.0
Purchased	96 659.0	15 400.0
Generated	na	154 581.0
	96 659.0	169 981.0
Plant Use	26 165.0	163 814.0
Further Processing	70 494.0	0.0
Exported	0.0	6 167.0
Flared	0.0	0.0
Metering Diff.	0.0	0.0
	96 659.0	169 981.0



# Bitumen Synthetic Plant Operations

2

1999  
Year

August  
Month

Operator	Products			Intermediates		
	Synthetic Crude Oil <sup>[3]</sup> m3	Other Hydro- carbons <sup>[4]</sup> m3	Coke tonnes	Sulphur <sup>[2]</sup> tonnes	Bitumen m3	Distillate <sup>[1]</sup> m <sup>3</sup>
<b>Suncor</b>		Diluent Naphtha				
Opening Inventory	82 518	39 913	3 427 784	1 397	55 924	241 356
Receipts	0	0	0	0	717 459	123
Production	374 885	32 670	135 980	18 029	0	559 036
Closing Inventory	91 252	52 668	3 300 036	1 397	85 241	210 850
	366 151	19 915	263 728	18 029	688 142	589 665
Further Processing	0	15 278	0	0	670 079	380 905
Fuel/Plant Use	6 820	0	263 728	0	0	17 392
Blended/Wasted	0	4 637	0	323	3 556	45
Metering Diff.	793	0	0	0	0	( 955)
Deliveries	358 538	0	0	17 706	14 507	192 278
	366 151	19 915	263 728	18 029	688 142	589 665
<b>Synocrude</b>		Diluent Naphtha				
Opening Inventory	57 097	65 117	22 727 856	2 832 939	453 753	53 748
Receipts	0	0	0	0	0	0
Production	1 073 780	12 487	199 059	47 307	1 359 150	1 066 647
Closing Inventory	39 822	62 114	22 870 481	2 879 383	514 112	63 490
	1 091 055	15 490	56 434	863	1 298 791	1 056 905
Further Processing	0	9 398	0	0	1 298 791	1 053 816
Fuel/Plant Use	8 939	0	56 434	0	0	3 089
Blended/Wasted	0	6 092	0	863	0	0
Metering Diff.	31	0	0	0	0	0
Diluent Carryover						
Rerun	0	0	0	0	0	0
to Suncor	0	0	0	0	0	0
Deliveries	1 082 085	0	0	0	0	0
	1 091 055	15 490	56 434	863	1 298 791	1 056 905



1999 August  
Year to Date

**Suncor  
Oil Sands**

	Tonnes	Grade
Mined	48 438 149	11.66%
Processed	48 438 149	11.66%

**External Energy**

	Gas 10 <sup>3</sup> m <sup>3</sup>	Electric MWh
Purchased	163 726.9	87 129.0
Generated	na	341 417.0
	163 726.9	428 546.0

Plant Use	46 705.0	428 546.0
Further Processing	111 066.1	0.0
Exported	0.0	0.0
Flared	5 955.8	0.0
Metering Diff.	0.0	0.0
	163 726.9	428 546.0

**Syncrude  
Oil Sands**

	Tonnes	Grade
Mined	109 601 022	10.74%
Processed	109 993 441	10.72%

**External Energy**

	Gas 10 <sup>3</sup> m <sup>3</sup>	Electric MWh
Purchased	826 995.0	130 258.0
Generated	na	1 207 255.0
	826 995.0	1 337 513.0

Plant Use	273 852.0	1 319 518.0
Further Processing	553 143.0	0.0
Exported	0.0	17 995.0
Flared	0.0	0.0
Metering Diff.	0.0	0.0
	826 995.0	1 337 513.0





# Bitumen Synthetic Plant Operations

4

1999 August  
Year to Date

Operator	Products		Intermediates			
	Synthetic Crude Oil <sup>[3]</sup> m <sup>3</sup>	Other Hydro -carbons [4] m3	Coke tonnes	Sulphur <sup>[2]</sup> tonnes	Bitumen m3	Distillate <sup>[1]</sup> m <sup>3</sup>
<b>Suncor</b>		Diluent Naphtha				
Opening Inventory	92 613	40 591	5 240 411	1 397	21 845	21 978
Receipts	0	0	0	0	755 705	1 214
Production	2 366 757	181 127	966 863	119 541	4 349 474	4 057 852
Closing Inventory	91 252	52 668	3 300 036	1 397	85 241	210 850
	2 368 118	169 050	2 907 238	119 541	5 041 783	3 870 194
Further Processing	0	139 635	0	0	4 908 754	2 408 052
Fuel/Plant Use	45 274	0	2 884 877	0	0	41 492
Flared/Wasted	0	29 415	0	2 209	12 404	14 013
Metering Diff.	1 438	0	0	0	0	( 2 830)
Deliveries	2 321 406	0	22 361	117 332	120 625	1 409 467
	2 368 118	169 050	2 907 238	119 541	5 041 783	3 870 194
<b>Syncrude</b>		Diluent Naphtha				
Opening Inventory	25 046	66 926	21 715 515	2 509 534	319 672	50 824
Receipts	0	0	0	0	5 212	0
Production	8 749 771	112 209	1 611 963	376 443	10 642 140	8 640 025
Closing Inventory	39 822	62 114	22 870 481	2 879 383	514 112	63 490
	8 734 995	117 021	456 997	6 594	10 452 912	8 627 359
Further Processing	0	66 134	0	0	10 452 909	8 594 729
Fuel/Plant Use	91 546	0	456 997	0	0	32 630
Flared/Wasted	0	50 885	0	6 594	0	0
Metering Diff.	( 27)	2	0	0	3	0
Diluent Carryover						
/Rerun	0	0	0	0	0	0
To Suncor	0	0	0	0	0	0
Deliveries	8 643 476	0	0	0	0	0
	8 734 995	117 021	456 997	6 594	10 452 912	8 627 359



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Statistical Series **99-39**



# **Alberta Oil Sands Plant Statistics**

**Monthly Supplement**

**September 1999**



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**Note:** Inquiries regarding this publication  
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Oil Sands Department at  
(403) 297-2399



1. Grade: Mass per cent Bitumen in oil sands.
2. Gas volume at 101.325 kPa and 15° C.
3. Liquid volume at 15° C.

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**NOTES**

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- <sup>1</sup> Distillate production does not include heavy fuel oil.
- <sup>2</sup> Sulphur production includes flared / waste.
- <sup>3</sup> Synthetic crude oil production does not include diluent naphtha production.  
Suncor includes diesel production (SCO site fuel uses.)
- <sup>4</sup> Other hydrocarbons production includes light slop material.





1999 September  
Year Month

## Suncor Oil Sands

	Tonnes	Grade
Mined	4 513 797	11.13%
Processed	4 513 797	11.13%

### External Energy

	Gas 10 <sup>3</sup> m <sup>3</sup>	Electric MWh
Purchased	0.0	3 613.0
Generated	na	37 667.0
	0.0	41 280.0

Plant Use	10 866.2	41 280.0
Further Processing	12 329.0	0.0
Exported	0.0	0.0
Flared	1 867.3	0.0
Metering Diff.	0.0	0.0
	25 062.5	41 280.0

## Syncrude Oil Sands

	Tonnes	Grade
Mined	12 356 273	10.78%
Processed	12 431 679	10.90%

### External Energy

	Gas 10 <sup>3</sup> m <sup>3</sup>	Electric MWh
Purchased	0.0	2 795.0
Generated	na	176 222.0
	0.0	179 017.0

Plant Use	19 972.0	158 219.0
Further Processing	68 238.0	0.0
Exported	0.0	20 798.0
Flared	0.0	0.0
Metering Diff.	0.0	0.0
	88 210.0	179 017.0



# Bitumen Synthetic Plant Operations

2

1999  
Year  
September  
Month

Operator	Products		Intermediates			
	Synthetic Crude Oil <sup>[3]</sup>	Other Hydro -carbons <sup>[4]</sup>	Coke	Sulphur <sup>[2]</sup>	Bitumen	Distillate <sup>[1]</sup>
	m3	m3	tonnes	tonnes	m3	m <sup>3</sup>
<b>Suncor</b>						
		Diluent Naphtha				
Opening Inventory	91 252	52 668	3 300 036	1 397	85 241	210 850
Receipts	0	0	0	0	0	0
Production	244 209	20 056	87 315	10 905	454 396	355 644
Closing Inventory	117 012	52 168	3 203 861	1 397	93 877	229 920
	218 449	20 556	183 490	10 905	445 760	336 574
Further Processing	0	16 743	0	0	441 519	244 139
Fuel/Plant Use	8 293	0	183 490	0	0	3 314
Flared/Wasted	0	3 813	0	227	1 795	129
Metering Diff.	( 88)	0	0	0	0	0
Deliveries	210 244	0	0	10 678	2 446	88 992
	218 449	20 556	183 490	10 905	445 760	336 574
<b>Syncrude</b>						
		Diluent Naphtha				
Opening Inventory	39 822	62 114	22 870 481	2 879 383	514 112	63 490
Receipts	0	0	0	0	0	0
Production	1 046 066	14 215	191 939	45 816	1 226 437	1 020 620
Closing Inventory	28 336	59 493	23 008 005	2 924 386	495 627	56 609
	1 057 552	16 836	54 415	813	1 244 922	1 027 501
Further Processing	0	10 381	0	0	1 244 922	1 025 257
Fuel/Plant Use	10 408	0	54 415	0	0	2 244
Flared/Wasted	0	6 455	0	814	0	0
Metering Diff.	21	0	0	( 1)	0	0
Diluent Carryover /Rerun	0	0	0	0	0	0
To Suncor	0	0	0	0	0	0
Deliveries	1 047 123	0	0	0	0	0
	1 057 552	16 836	54 415	813	1 244 922	1 027 501



1999 September  
Year to Date

## Suncor Oil Sands

	Tonnes	Grade
Mined	52 951 946	11.61%
Processed	52 951 946	11.61%

### External Energy

	Gas 10 <sup>3</sup> m <sup>3</sup>	Electric MWh
Purchased	163 726.9	90 742.0
Generated	na	379 084.0
	163 726.9	469 826.0

Plant Use	57 571.2	469 826.0
Further Processing	123 395.1	0.0
Exported	0.0	0.0
Flared	7 823.1	0.0
Metering Diff.	0.0	0.0
	188 789.4	469 826.0

## Syncrude Oil Sands

	Tonnes	Grade
Mined	121 957 295	10.75%
Processed	122 425 120	10.74%

### External Energy

	Gas 10 <sup>3</sup> m <sup>3</sup>	Electric MWh
Purchased	826 995.0	133 053.0
Generated	na	1 383 477.0
	826 995.0	1 516 530.0

Plant Use	293 824.0	1 477 737.0
Further Processing	621 381.0	0.0
Exported	0.0	38 793.0
Flared	0.0	0.0
Metering Diff.	0.0	0.0
	915 205.0	1 516 530.0





# Bitumen Synthetic Plant Operations

4

1999 September  
Year to Date

Operator	Products		Intermediates			
	Synthetic Crude Oil <sup>[3]</sup> m <sup>3</sup>	Other Hydro -carbons [4] m3	Coke tonnes	Sulphur <sup>[2]</sup> tonnes	Bitumen m3	Distillate <sup>[1]</sup> m <sup>3</sup>
<b>Suncor</b>						
		Diluent Naphtha				
Opening Inventory	92 613	40 591	5 240 411	1 397	21 845	21 978
Receipts	0	0	0	0	48 522	1 214
Production	2 610 966	201 183	1 054 178	130 446	5 511 053	4 413 496
Closing Inventory	117 012	52 168	3 203 861	1 397	93 877	229 920
	2 586 567	189 606	3 090 728	130 446	5 487 543	4 206 768
Further Processing	0	156 378	0	0	5 350 273	2 652 191
Fuel/Plant Use	53 567	0	3 068 367	0	0	44 806
Flared/Wasted	0	33 228	0	2 436	14 199	14 142
Metering Diff.	1 350	0	0	0	0	( 2 830)
Deliveries	2 531 650	0	22 361	128 010	123 071	1 498 459
	2 586 567	189 606	3 090 728	130 446	5 487 543	4 206 768
<b>Syncrude</b>						
		Diluent Naphtha				
Opening Inventory	25 046	66 926	21 715 515	2 509 534	319 672	50 824
Receipts	0	0	0	0	5 212	0
Production	9 795 837	126 424	1 803 902	422 259	11 868 577	9 660 645
Closing Inventory	28 336	59 493	23 008 005	2 924 386	495 627	56 609
	9 792 547	133 857	511 412	7 407	11 697 834	9 654 860
Further Processing	0	76 515	0	0	11 697 831	9 619 986
Fuel/Plant Use	101 954	0	511 412	0	0	34 874
Flared/Wasted	0	57 340	0	7 408	0	0
Metering Diff.	( 6)	2	0	( 1)	3	0
Diluent Carryover /Rerun	0	0	0	0	0	0
To Suncor	0	0	0	0	0	0
Deliveries	9 690 599	0	0	0	0	0
	9 792 547	133 857	511 412	7 407	11 697 834	9 654 860



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# **Alberta Oil Sands Plant Statistics**

**Monthly Supplement**

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1. Grade: Mass per cent Bitumen in oil sands.
2. Gas volume at 101.325 kPa and 15° C.
3. Liquid volume at 15° C.

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**NOTES**

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- <sup>1</sup> Distillate production does not include heavy fuel oil.
- <sup>2</sup> Sulphur production includes flared / waste.
- <sup>3</sup> Synthetic crude oil production does not include diluent naphtha production.  
Suncor includes diesel production (SCO site fuel uses.)
- <sup>4</sup> Other hydrocarbons production includes light slop material.





1999  
Year

October  
Month

## Suncor Oil Sands

	Tonnes	Grade
Mined	6 597 371	11.82%
Processed	6 597 371	11.82%

### External Energy

	Gas 10 <sup>3</sup> m <sup>3</sup>	Electric MWh
Purchased	0.0	7 424.0
Generated	na	43 508.0
	0.0	50 932.0

Plant Use	6 407.9	50 932.0
Further Processing	17 294.7	0.0
Exported	0.0	0.0
Flared	125.4	0.0
Metering Diff.	0.0	0.0
	23 828.0	50 932.0

## Syncrude Oil Sands

	Tonnes	Grade
Mined	13 794 352	11.15%
Processed	13 401 056	11.05%

### External Energy

	Gas 10 <sup>3</sup> m <sup>3</sup>	Electric MWh
Purchased	0.0	1 195.0
Generated	na	194 431.0
	0.0	195 626.0

Plant Use	7 778.0	167 612.0
Further Processing	97 707.0	0.0
Exported	0.0	28 014.0
Flared	0.0	0.0
Metering Diff.	0.0	0.0
	105 485.0	195 626.0



	1999		October			
	Year		Month			
Operator	Products		Intermediates			
	Synthetic Crude Oil <sup>[3]</sup> m3	Other Hydro -carbons <sup>[4]</sup> m3	Coke tonnes	Sulphur <sup>[2]</sup> tonnes	Bitumen m3	Distillate <sup>[1]</sup> m <sup>3</sup>
<b>Suncor</b>		Diluent Naphtha				
Opening Inventory	117 012	52 168	3 203 861	1 397	93 877	229 920
Receipts	0	0	0	0	0	0
Production	395 847	22 645	136 278	18 771	705 486	592 300
Closing Inventory	107 717	50 574	3 082 887	1 421	76 258	290 380
	405 142	24 239	257 252	18 747	723 105	531 840
Further Processing	0	20 904	0	0	704 834	406 485
Fuel/Plant Use	7 107	0	257 252	0	0	1 741
Flared/Wasted	0	3 335	0	308	1 343	0
Metering Diff.	( 3 465)	0	0	0	0	0
Deliveries	401 500	0	0	18 439	16 928	123 614
	405 142	24 239	257 252	18 747	723 105	531 840
<b>Syncrude</b>		Diluent Naphtha				
Opening Inventory	28 336	59 493	23 008 005	2 924 386	495 627	56 609
Receipts	0	0	0	0	0	0
Production	1 086 423	16 419	207 942	46 708	1 338 960	1 100 582
Closing Inventory	37 045	57 990	23 156 995	2 970 263	492 172	90 476
	1 077 714	17 922	58 952	831	1 342 415	1 066 715
Further Processing	0	11 888	0	0	1 342 414	1 063 241
Fuel/Plant Use	10 187	0	58 952	0	0	3 474
Flared/Wasted	0	6 035	0	831	0	0
Metering Diff.	( 16)	( 1)	0	0	1	0
Diluent Carryover /Rerun	0	0	0	0	0	0
To Suncor	0	0	0	0	0	0
Deliveries	1 067 543	0	0	0	0	0
	1 077 714	17 922	58 952	831	1 342 415	1 066 715



1999      October  
Year to Date

## Suncor Oil Sands

	Tonnes	Grade
Mined	59 549 317	11.64%
Processed	59 549 317	11.64%

### External Energy

	Gas 10 <sup>3</sup> m <sup>3</sup>	Electric MWh
Purchased	163 726.9	98 166.0
Generated	na	422 592.0
	163 726.9	520 758.0

Plant Use	63 979.1	520 758.0
Further Processing	140 689.8	0.0
Exported	0.0	0.0
Flared	7 948.5	0.0
Metering Diff.	0.0	0.0
	212 617.4	520 758.0

## Syncrude Oil Sands

	Tonnes	Grade
Mined	135 751 647	10.79%
Processed	135 826 176	10.77%

### External Energy

	Gas 10 <sup>3</sup> m <sup>3</sup>	Electric MWh
Purchased	826 995.0	134 248.0
Generated	na	1 577 908.0
	826 995.0	1 712 156.0

Plant Use	301 602.0	1 645 349.0
Further Processing	719 088.0	0.0
Exported	0.0	66 807.0
Flared	0.0	0.0
Metering Diff.	0.0	0.0
	1 020 690.0	1 712 156.0





# Bitumen Synthetic Plant Operations

4

1999 October  
Year to Date

Operator	Products		Intermediates			
	Synthetic Crude Oil <sup>[3]</sup> m <sup>3</sup>	Other Hydro -carbons [4] m3	Coke tonnes	Sulphur <sup>[2]</sup> tonnes	Bitumen m3	Distillate <sup>[1]</sup> m <sup>3</sup>
<b>Suncor</b>		Diluent Naphtha				
Opening Inventory	92 613	40 591	5 240 411	1 397	21 845	21 978
Receipts	0	0	0	0	48 522	1 214
Production	3 006 813	223 828	1 190 456	149 217	6 216 539	5 005 796
Closing Inventory	107 717	50 574	3 082 887	1 421	76 258	290 380
	2 991 709	213 845	3 347 980	149 193	6 210 648	4 738 608
Further Processing	0	177 282	0	0	6 055 107	3 058 676
Fuel/Plant Use	60 674	0	3 325 619	0	0	46 547
Flared/Wasted	0	36 563	0	2 744	15 542	14 142
Metering Diff.	( 2 115)	0	0	0	0	( 2 830)
Deliveries	2 933 150	0	22 361	146 449	139 999	1 622 073
	2 991 709	213 845	3 347 980	149 193	6 210 648	4 738 608
<b>Syncrude</b>		Diluent Naphtha				
Opening Inventory	25 046	66 926	21 715 515	2 509 534	319 672	50 824
Receipts	0	0	0	0	5 212	0
Production	10 882 260	142 843	2 011 844	468 967	13 207 537	10 761 227
Closing Inventory	37 045	57 990	23 156 995	2 970 263	492 172	90 476
	10 870 261	151 779	570 364	8 238	13 040 249	10 721 575
Further Processing	0	88 403	0	0	13 040 245	10 683 227
Fuel/Plant Use	112 141	0	570 364	0	0	38 348
Flared/Wasted	0	63 375	0	8 239	0	0
Metering Diff.	( 22)	1	0	( 1)	4	0
Diluent Carryover /Rerun	0	0	0	0	0	0
To Suncor	0	0	0	0	0	0
Deliveries	10 758 142	0	0	0	0	0
	10 870 261	151 779	570 364	8 238	13 040 249	10 721 575







